System Power Report

COMPUTER NAME
DESKTOP-096M4E5
SYSTEM PRODUCT NAME
ASUSTeK COMPUTER INC. X540SA
BIOS
X540SA.210 04/13/2016
OS BUILD
15063.0.amd64fre.rs2_release.170317-1834
PLATFORM ROLE
Mobile
REPORT TIME
2017-09-27 11:56:45

System Power State Transitions

Battery drains over the last 3 days

Legend
GRAPH LINE
DESCRIPTION
Dotted
AC power
Solid
Battery power
No line
System powered off

Grey
Active Scenario
Green
Low System Activity
Orange
Moderate System Activity
Red
High System Activity
Violet
Abnormal Shutdown
Filter Option.
Session Length:
All > 10 min
States:
All Active Standby Hibernate Shutdown Bug Check

```
START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME
1
2017-09-24 12:43:26
0:51:57
Active
-
-
-
Charge
-

2
13:35:26
19:26:55
Standby
-
-
-
-
-

3
2017-09-25 09:02:56
1:54:51
Active
22,038 mWh
76% of battery
11,513 mW
Drain
-

4
10:57:50
0:08:23
Standby
```

```
-
-
-
-
-

5
11:06:34
0:14:30
Active
3,431 mWh
12% of battery
14,197 mW
Drain
-

6
11:21:05
3:47:54
Active
-
-
-
Charge
-

7
16:10:11
0:00:00
System Sleep Transition (Unknown Type)
-
-
-
-
-

8
16:10:11
0:00:00
Abnormal Shutdown
-
-
-
-
-

9
16:10:37
```

```
2:52:02
Active
-
-
-
Charge
-

10
19:02:39
0:14:56
Active
1,924 mWh
7% of battery
7,730 mW
Drain
-

11
19:17:44
0:58:06
Standby
-
-
-
-
-

12
20:16:23
0:04:55
Active
630 mWh
2% of battery
7,688 mW
Drain
-

13
20:21:20
0:09:46
Standby
-
-
-
-
-
```

14
20:31:06
0:00:03
Active
-
-
-
-
-

15
20:31:10
0:00:05
Standby
-
-
-
-
-

16
20:31:15
0:00:08
Active
-
-
-
-
-

17
20:31:24
0:00:07
Standby
-
-
-
-
-

18
20:32:52
0:51:51
Active
6,042 mWh
21% of battery
6,991 mW
Drain

```
-

19
21:24:45
0:15:33
Standby
-
-
-
-
-

20
21:40:19
0:00:04
Active
-
-
-
-
-

21
21:40:23
0:10:08
Standby
-
-
-
-
-

22
21:50:32
0:00:00
Active
-
-
-
-
-

23
11:47:50
0:29:53
Active
-
-
```

```
-
Charge
-

24
12:21:39
0:00:00
Standby
-
-
-
-
-

25
12:21:39
0:00:00
Abnormal Shutdown
-
-
-
-
-

26
16:10:37
2:52:02
Active
-
-
-
Charge
-

27
2017-09-26 01:08:43
0:00:12
Shutdown
-
-
-
-
-

28
01:09:29
0:09:59
Active
```

```
-
-
-
Charge
-

29
01:19:30
1:15:59
Standby
-
-
-
-
-

30
02:36:02
3:18:43
Active
506 mWh
2% of battery
152 mW
Charge
-

31
05:54:39
0:00:14
Active
-
-
-
-
-

32
05:54:54
0:10:26
Standby
-
-
-
-
-

33
06:05:53
```

```
0:09:27
Active
1,260 mWh
4% of battery
8,000 mW
Drain
-

34
06:15:20
1:13:43
Active
-
-
-
Charge
-

35
07:29:06
0:46:12
Standby
-
-
-
-
-

36
08:15:44
2:32:49
Active
-
-
-
Charge
-

37
10:48:33
0:55:09
Active
6,907 mWh
24% of battery
7,514 mW
Drain
-
```

```
38
11:43:46
1:30:58
Shutdown (Hybrid)
-
-
-
-
-

39
13:15:17
1:57:42
Active
-
-
-
Charge
-

40
21:32:56
0:00:00
System Sleep Transition (Unknown Type)
-
-
-
-
-

41
21:32:56
0:00:00
Abnormal Shutdown
-
-
-
-
-

42
21:33:22
0:06:48
Active
-
-
-
Charge
```

```
-

43
21:40:11
2:15:41
Active
15,727 mWh
54% of battery
6,954 mW
Drain
-

44
23:55:54
1:45:07
Standby
-
-
-
-
-

45
2017-09-27 01:41:33
1:27:08
Active
10,024 mWh
35% of battery
6,902 mW
Drain
-

46
03:08:43
0:01:03
Standby
-
-
-
-
-

47
03:10:18
1:58:26
Active
-
-
```

-
Charge
-

48
05:08:46
5:23:45
Standby
-
-
-
-
-

49
10:32:31
1:03:44
Active
-
-
-
-
-

50
11:36:15
0:19:25
Standby
-
-
-
-
-

51
11:55:41
0:01:02
Active
-
-
-
-
-

52
11:56:43
0:00:00
Report Generated

-
-
-
-
-

Analysis Results
Analysis of issues that might cause poor battery life
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

1
2017-09-24 12:43:26
0:51:57
Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

2
2017-09-24 13:35:26
19:26:55
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

3
2017-09-25 09:02:56
1:54:51
Active
22,038 mWh
76% of battery
11,513 mW
Drain
-
Srum Data

Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

4
2017-09-25 10:57:50
0:08:23
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

5
2017-09-25 11:06:34
0:14:30
Active
3,431 mWh
12% of battery
14,197 mW
Drain
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

6
2017-09-25 11:21:05
3:47:54
Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation

Top
System Power State: System Sleep Transition (Unknown Type)

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

7
2017-09-25 16:10:11
0:00:00
System Sleep Transition (Unknown Type)
Unknown
Unknown
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Abnormal Shutdown

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

8
2017-09-25 16:10:11
0:00:00
Abnormal Shutdown
Unknown
Unknown
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data

Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

9
2017-09-25 16:10:37
2:52:02
Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Active

START TIME

```
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

10
2017-09-25 19:02:39
0:14:56
Active
1,924 mWh
7% of battery
7,730 mW
Drain
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is
from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby
```

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

11
2017-09-25 19:17:44
0:58:06
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active
```

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

12
2017-09-25 20:16:23
0:04:55
Active
630 mWh
2% of battery
7,688 mW
Drain
-
Screen Brightness Duration Histogram
Duration in seconds at various screen brightness levels

Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

```
13
2017-09-25 20:21:20
0:09:46
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active
```

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

14
2017-09-25 20:31:06
0:00:03
Active
Unknown
----
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Standby
```

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON
```

```
15
2017-09-25 20:31:10
0:00:05
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active







START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

16
2017-09-25 20:31:15
0:00:08
Active
Unknown
----
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Standby







START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON
```

17
2017-09-25 20:31:24
0:00:07
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

18
2017-09-25 20:32:52
0:51:51
Active
6,042 mWh
21% of battery
6,991 mW
Drain
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

19
2017-09-25 21:24:45
0:15:33
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active
```

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

20
2017-09-25 21:40:19
0:00:04
Active
Unknown
----
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Standby
```

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

21
2017-09-25 21:40:23
0:10:08
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active
```

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

22
2017-09-25 21:50:32
0:00:00
Active
Unknown
Power Source Changed
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active
```

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

23
2017-09-25 11:47:50
0:29:53
Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

24
2017-09-25 12:21:39
0:00:00
Standby

```
Unknown
Unknown
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Abnormal Shutdown
```

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

25
2017-09-25 12:21:39
0:00:00
Abnormal Shutdown
Unknown
Unknown
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active
```

```
START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME
```

26
2017-09-25 16:10:37
2:52:02
Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Shutdown

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

27
2017-09-26 01:08:43
0:00:12
Shutdown

OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

28
2017-09-26 01:09:29
0:09:59
Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

29
2017-09-26 01:19:30
1:15:59
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.

+ Detailed OS State Data
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

30
2017-09-26 02:36:02
3:18:43
Active
506 mWh
2% of battery
152 mW
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Active

START TIME
DURATION
STATE
ENTRY REASON

```
EXIT REASON

31
2017-09-26 05:54:39
0:00:14
Active
Power Source Changed
----
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Standby
```

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

32
2017-09-26 05:54:54
0:10:26
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active
```

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

33
2017-09-26 06:05:53
0:09:27
Active
1,260 mWh
4% of battery
8,000 mW
Drain
-
Screen Brightness Duration Histogram
Duration in seconds at various screen brightness levels

Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

34
2017-09-26 06:15:20
1:13:43
Active

-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

35
2017-09-26 07:29:06
0:46:12
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active

START TIME

DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

36
2017-09-26 08:15:44
2:32:49
Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

37
2017-09-26 10:48:33
0:55:09
Active
6,907 mWh
24% of battery
7,514 mW
Drain

-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Shutdown (Hybrid)

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

38
2017-09-26 11:43:46
1:30:58
Shutdown (Hybrid)
Application API
Unknown
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE

% LOW POWER STATE TIME

39
2017-09-26 13:15:17
1:57:42
Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: System Sleep Transition (Unknown Type)

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

40
2017-09-26 21:32:56
0:00:00
System Sleep Transition (Unknown Type)
Unknown
Unknown
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Abnormal Shutdown

```
START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

41
2017-09-26 21:32:56
0:00:00
Abnormal Shutdown
Unknown
Unknown
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active
```

```
START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

42
2017-09-26 21:33:22
0:06:48
Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is
from energy meter. Otherwise, it is from software model estimation.
```

+ Energy Meter
+ Power Estimation
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

43
2017-09-26 21:40:11
2:15:41
Active
15,727 mWh
54% of battery
6,954 mW
Drain
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby

START TIME
DURATION
STATE

ENTRY REASON
EXIT REASON

44
2017-09-26 23:55:54
1:45:07
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active

START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

45
2017-09-27 01:41:33
1:27:08
Active
10,024 mWh
35% of battery
6,902 mW
Drain
-
Screen Brightness Duration Histogram
Duration in seconds at various screen brightness levels

Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter

```
+ Power Estimation
Top
System Power State: Standby







START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

46
2017-09-27 03:08:43
0:01:03
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active










START TIME
DURATION
STATE
ENERGY CHANGE
CHANGE RATE
% LOW POWER STATE TIME

47
2017-09-27 03:10:18
1:58:26
```

Active
-
-
-
Charge
-
Srum Data
Data obtained from the SRUM database. * in Power Estimation means the power value is from energy meter. Otherwise, it is from software model estimation.
+ Energy Meter
+ Power Estimation
Top
System Power State: Standby

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

48
2017-09-27 05:08:46
5:23:45
Standby
Application API
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active

START TIME
DURATION
STATE
ENTRY REASON

EXIT REASON

49
2017-09-27 10:32:31
1:03:44
Active
Unknown

OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Standby

START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

50
2017-09-27 11:36:15
0:19:25
Standby
Button or Lid
Power Button
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Active

START TIME
DURATION
STATE
ENTRY REASON

```
EXIT REASON

51
2017-09-27 11:55:41
0:01:02
Active
Unknown
Unknown
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Top
System Power State: Report Generated







START TIME
DURATION
STATE
ENTRY REASON
EXIT REASON

52
2017-09-27 11:56:43
0:00:00
Report Generated
----
----
OS State Data
Data obtained from the Event Viewer Logger.
+ Detailed OS State Data
Installed batteries
Information about each currently installed battery



BATTERY 1
NAME
X550A26
MANUFACTURER
ASUSTeK
SERIAL NUMBER
-
CHEMISTRY
```

LIon
DESIGN CAPACITY
33,187 mWh

CAPACITY RATIO
88%
CYCLE COUNT
90